

RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE
EXAMINING GROUP 2151

In the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Previously presented) A method of producing a packet group for use in a trace stream of packets, comprising:

providing at least one header packet within the packet group;
and

arranging at least one plurality of further packets to form a corresponding at least one packet subgroup within the packet group;

wherein each of said further packets has an extension portion and a payload portion, wherein a field in the at least one header packet indicates a number of packet subgroups provided in the packet group, wherein a first of said further packets includes a first said extension portion, wherein a remainder of said further packets follow the first packet in said at least one packet subgroup and are a continuation of content contained in the first packet, and wherein each of said remainder of said further packets has a second said extension portion that differs from said first extension portion.

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2. (Previously presented) The method as recited in claim 1 wherein said packet group ends when a next packet of the trace stream that immediately follows a packet of the last packet subgroup does not have the second extension portion.

3. (Previously presented) The method as recited in claim 2 wherein said next packet begins a new packet group.

4. (Previously presented) The method as recited in claim 1 wherein said number of packet subgroups, together with said first and second extension portions, permit identification of a position in the trace stream that is associated with an implied header packet corresponding to an immediately following packet group.

5. (Canceled)

6. (Previously presented) A processor test and debug system, the system comprising:

a host processing unit; and

a target processor, the target processor transmitting trace streams of packets to the host processing unit, the trace streams permitting the host processing unit to reconstruct the operation of

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the target processing unit, at least one of the trace streams comprising a sequence of packet groups, each said packet group including:

at least one header packet; and

at least one packet subgroup containing a plurality of further packets;

wherein each of said further packets has an extension portion and a payload portion, wherein a field in the at least one header packet indicates a number of packet subgroups provided in the associated packet group, wherein a first of said further packets includes a first said extension portion, wherein a remainder of said further packets follow the first packet in said at least one packet subgroup and are a continuation of content contained in the first packet, and wherein each of said remainder of said further packets has a second said extension portion that differs from said first extension portion.

7. (Previously presented) The system as recited in claim 6 wherein one of said packet groups ends when a next packet of said at least one trace stream that immediately follows a packet of the last packet subgroup within said one packet group does not have the second extension portion.

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8. (Previously presented) The system as recited in claim 7 wherein said next packet begins a new packet group.

9. (Previously presented) A method for transferring information from a target processor to a host processing unit in a trace stream of packets, the method comprising:

dividing the packets into packet groups;

formatting each packet group to include at least one header packet; and

formatting each packet group to include at least one packet subgroup containing a plurality of further packets;

wherein each of said further packets has an extension portion and a payload portion, wherein a field in the at least one header packet indicates a number of packet subgroups provided in the associated packet group, wherein a first of said further packets includes a first said extension portion, wherein a remainder of said further packets follow the first packet in said at least one packet subgroup and are a continuation of content contained in the first packet, and wherein each of said remainder of said further packets has a second said extension portion that differs from said first extension portion.

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10. (Previously presented) The method as recited in claim 9 wherein each said packet group ends when a next packet of the trace stream that immediately follows a packet of the last packet subgroup does not have the second extension portion.

11. (Canceled)